

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended): A baggage compartment, comprising:  
a support structure;  
a bin defining an at least partially closed volume configured to store baggage; and  
a guide connecting the support structure and the bin, the guide configured to move the bin along a first portion of a path linearly and a second portion of the path rotationally,  
wherein the guide comprises a first and a second pairs of grooves disposed on one of said bin and support structure, and said guide further comprises protrusions disposed on the other of said bin and support structure, each of said protrusions being movably engaged in one of said grooves.

Claim 2 (Original): The baggage compartment according to claim 1, wherein the support structure comprises a housing.

Claim 3 (Original): The baggage compartment according to claim 1, wherein the support structure comprises a frame of an aircraft.

Claim 4 (Canceled)

Claim 5 (Canceled)

Claim 6 (Canceled)

Claim 7 (Currently Amended): The baggage compartment according to claim 6 1, wherein the first and second pairs of grooves are disposed on the bin.

Claim 8 (Currently Amended): The baggage compartment according to claim 7, wherein the first pair of grooves ~~are~~ is disposed adjacent a front open portion of the bin and the second pair of grooves ~~are~~ is disposed adjacent a back portion of the bin opposite to the front open portion, the first and second pairs of grooves having an arcuate shape.

Claim 9 (Original): The baggage compartment according to claim 8, wherein the first pair of grooves has a greater radius of curvature and encompasses a greater angular range than the second pair of grooves.

Claim 10 (Currently Amended): The baggage compartment according to claim [[4]] 1, wherein the ~~protrusions are fasteners~~ ~~protrusion comprises a fastener~~.

Claim 11 (Currently Amended): The baggage compartment according to claim 10, wherein the ~~fasteners are bolts~~ ~~fastener comprises a bolt~~.

Claim 12 (Currently Amended): A baggage compartment, comprising:  
a support structure;  
a bin defining an at least partially closed volume configured to store baggage; and  
a means for connecting the support structure and the bin, the means configured to move the bin along a first portion of a path linearly and a second portion of the path rotationally,

wherein the means for connecting comprises a first and a second pairs of grooves disposed on one of said bin and support structure, and said means for connecting further comprises protrusions disposed on the other of said bin and support structure, each of said protrusions being movably engaged in one of said grooves.

Claim 13 (Original): The baggage compartment according to claim 12, wherein the support structure comprises a housing.

Claim 14 (Original): The baggage compartment according to claim 12, wherein the support structure comprises a frame of an aircraft.

Claim 15 (Canceled)

Claim 16 (Canceled)

Claim 17 (Currently Amended): The baggage compartment according to claim ~~16~~ 12, wherein the first and second pairs of grooves are disposed on the bin.

Claim 18 (Currently Amended): The baggage compartment according to claim 17, wherein the first pair of grooves ~~are~~ is disposed adjacent a front open portion of the bin and the second pair of grooves ~~are~~ is disposed adjacent a back portion of the bin opposite to the front open portion, the first and second pairs of grooves have an arcuate shape, and the first pair of grooves has a greater radius of curvature and encompasses a greater angular range than of the second pair of grooves.

Claim 19 (New): The baggage compartment according to claim 1, wherein the first pair of grooves is disposed adjacent a front portion of the bin.

Claim 20 (New): The baggage compartment according to claim 1, wherein the second pair of grooves is disposed adjacent a back portion of the bin.

Claim 21 (New): The baggage compartment according to claim 20, wherein the first pair of grooves is disposed adjacent a front portion of the bin opposite to the back portion.

Claim 22 (New): The baggage compartment according to claim 1, wherein said guide further comprises a stop member at an adjustable location, said stop member being configured to limit an opening range of said bin.

Claim 23 (New): The baggage compartment according to claim 1, wherein said guide further comprises a linear guide track and a guide roller movably engaged in said linear guide track.

Claim 24 (New): The baggage compartment according to claim 23, wherein said linear guide track is disposed on an inner wall of said support structure and said guide roller is disposed on an inner wall of said bin.

Claim 25 (New): The baggage compartment according to claim 1, wherein said guide further comprises a linear guide groove and a slide block movably engaged in said linear guide groove.

Claim 26 (New): The baggage compartment according to claim 1, wherein said grooves are arcuate in shape.

Claim 27 (New): The baggage compartment according to claim 26, wherein the first pair of grooves has a greater radius of curvature than the second pair of grooves.

Claim 28 (New): The baggage compartment according to claim 26, wherein said grooves have concave sides facing a back portion of said bin.